

## ABSTRACT

5 An audio communications control system operates between multiple voice  
communications systems and a single headset worn by an operator accessing the  
multiple communications systems via voice transmission. The single headset includes  
a left speaker, a right speaker, and a microphone for providing the operator with voice  
transmission through an audio interface for operating between the audio  
communications systems and the single headset. The audio interface provides an  
electrical connection and operation with each of the voice communications systems,  
even though each may operate with differing equipment and signal processing. The  
10 audio interface switches discrete voice communications signals and routes them to  
one of the left speaker, the right speaker, and conversely from the microphone of the  
headset to any of selected systems. An operator control interface is operable with the  
audio interface for controlling the routing and switching of the audio signals. A  
graphical user interface is displayed on a monitor of a personal computer operable  
15 with the operator control interface for displaying a selection of switching and routing  
options to the operator. As a result, the operator needs only the single headset and  
the graphical interface for a manual selection of the discrete audio communications  
signals to be operable with the single headset. The communications control system is  
especially effectiveness for training onboard ships by allowing the operator to handle  
20 all shipboard communications, as well as access to a wide area network, without  
~~removing his headset or moving from his console.~~